

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 September 2005 (22.09.2005)

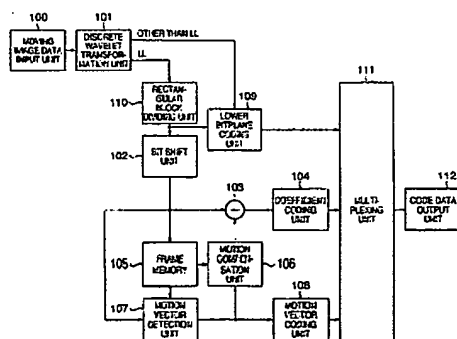
PCT

(10) International Publication Number
WO 2005/088977 A1

- (51) International Patent Classification⁷: **H04N 7/30, 7/32** (74) Agent: **OHTSUKA, Yasunori**; 7th fl., Shuwa Kioicho Park Bldg., 3-6, Kioicho, Chiyoda-ku, Tokyo 1020094 (JP).
- (21) International Application Number: **PCT/JP2005/004851** ✓
- (22) International Filing Date: **11 March 2005 (11.03.2005)** ✓ (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (25) Filing Language: **English** ✓
- (26) Publication Language: **English**
- (30) Priority Data: ✓
2004-071400 ✓ 12 March 2004 (12.03.2004) JP
2005-013032 ✓ 20 January 2005 (20.01.2005) JP
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- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: **MOVING IMAGE CODING APPARATUS, MOVING IMAGE DECODING APPARATUS, CONTROL METHOD THEREFOR, COMPUTER PROGRAM, AND COMPUTER-READABLE STORAGE MEDIUM** ✓



(57) Abstract: This invention provides a technique of preventing errors from being gradually accumulated on the decoding side, while maintaining high scalability, even when a technique for transformation to subbands as a plurality of frequency components, like discrete wavelet transformation, is used for moving image coding. The image data of one input frame is decomposed into a plurality of subbands having different frequency components by a discrete wavelet transformation unit (101). A lower bitplane coding unit (109) codes, for each bitplane, predetermined lower bits of each coefficient data of a subband LL and the coefficient data of subbands other than the subband LL. The data of the upper bits of the subband LL is stored in a frame memory (105). A motion vector detection unit (107) detects a predicted value and motion vector on the basis of the decoded data of the subband LL in a preceding frame. A subtractor (103) obtains the difference between the detected predicted value and the current frame. A coefficient coding unit (104) codes the obtained difference. A motion vector coding unit (108) codes the motion vector. A multiplexing unit (111) multiplexes the code data obtained by the coding units (104, 108, 109).

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